

# TECHNOLOGY ADMINISTRATION

## Office of the Secretary / Office of Technology Policy

Led by the Under Secretary for Technology, the Technology Administration (TA) is the focal point for civilian technology and competitiveness issues within the Administration. TA is the primary agency within the Federal government that works in partnership with the private sector to improve U.S. industrial competitiveness and to exercise leadership as the private sector's advocate.

The Under Secretary for Technology oversees three agencies: the Office of Technology Policy (OTP), the National Institute of Standards and Technology, and the National Technical Information Service, as well as the Office of Air and Space Commercialization within the Office of the Under Secretary.

The Under Secretary and the Office of Technology Policy are responsible for coordinating a National technology policy. The Under Secretary serves on the Executive Committee of the Committee on Technology within the President's National Science and Technology Council, which helps establish priorities for research and development in the areas of materials, construction and building, manufacturing infrastructure, electronics and automotive technologies. The Under Secretary also chairs the high-level coordinating committee overseeing the Partnership for a New Generation of Vehicles Initiative (PNGV), a unique 10-year partnership between the Federal government and the Nation's automakers.

OTP administers the National Medal of Technology, a Presidential award program that celebrates America's spirit of innovation and recognizes excellence in technological innovation and commercialization. OTP will also continue its Partnership for a Competitive Economy (PACE) initiative. Working with state and local government, business and academia, OTP conducts conferences around the country to maintain a dialogue on how the Federal government can help companies compete in the global economy.

### TA Performance Measures

The activities under this account support Commerce's strategic goal to stimulate innovation for American competitiveness.

Performance measures will continue to evolve over time as TA and its programs, the Department of Commerce, and the Federal government as a whole, continue to refine and enhance their capacities to develop performance measures, use performance measurement as a key management tool, and implement the GPRA. A more detailed presentation of goals, objectives, and performance measures is found in the Department's Annual Performance Plan and TA's budget justification.

## SUMMARY OF APPROPRIATIONS

(Dollars in Thousands)

### Funding Levels

Appropriation	<u>1999</u>	<u>2000</u>	<u>2001</u> <u>Estimate</u>	<u>Increase</u> <u>(Decrease)</u>
Salaries and Expenses	\$9,495	\$7,945	\$8,716	\$771

### PERMANENT POSITIONS

Salaries and Expenses	52	52	52	0
Reimbursable	1	1	1	0
<b>Total</b>	<b>53</b>	<b>53</b>	<b>53</b>	<b>0</b>

# HIGHLIGHTS OF BUDGET CHANGES

## APPROPRIATION: Salaries and Expenses

### Summary of Requirements

	Detailed		Summary	
	Perm Pos	Amount	Perm Pos	Amount
<b>2000 Enacted</b>			52	\$7,945
<b>Adjustments to Base</b>				
<b>Transfer</b>				
Working Capital Fund transfer to GA for security				(15)
<b>Other Changes</b>				
2000 Pay raise		\$51		
2001 Pay raise		96		
Payment to the Working Capital Fund		8		
Within grade step increases		6		
One less compensable day		(13)		
Civil Service Retirement System(CSRS)		(18)		
Federal Employees' Retirement System(FERS)		23		
Thrift Savings Plan		4		
Federal Insurance Contributions Act (FICA) -OASDI		13		
Health insurance		11		
Employees' Compensation Fund		(11)		
Travel				
Per diem		11		
Common carrier		8		
Rent payments to GSA		13		
Printing and reproduction		6		
Other services:				
Working Capital Fund		6		
Executive development & leadership training		35		
General pricing level adjustment:				
Communications, utilities, & misc.		2		
Supplies and materials		2		
Equipment		3		
Other services		30		
Subtotal, other cost changes			0	286
<b>TOTAL, ADJUSTMENTS TO BASE</b>			0	271
<b>2001 Base</b>			52	8,216
Program Changes			0	500
<b>2001 APPROPRIATION</b>			52	8,716

## Comparison by Activity

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount
<b>DIRECT OBLIGATIONS</b>								
Under Secretary / Office of Technology Policy	52	\$7,963	52	\$8,216	52	\$8,716	0	\$500
<b>TOTAL DIRECT OBLIGATIONS</b>	52	7,963	52	8,216	52	8,716	0	500
REIMBURSABLE OBLIGATIONS	1	575	1	575	1	575	0	0
<b>TOTAL OBLIGATIONS</b>	53	8,538	53	8,791	53	9,291	0	500
<b>FINANCING</b>								
Unobligated balance, start of year		(18)						
Offsetting collections from:								
Federal funds	(1)	(575)			(1)	(575)		
Non-Federal sources								
Subtotal, financing	(1)	(593)			(1)	(575)		
<b>TOTAL BUDGET AUTHORITY</b>	52	7,945			52	8,716		

## Highlights of Program Changes

	<u>Base</u>		<u>Increase / Decrease</u>	
	Permanent Positions	Amount	Permanent Positions	Amount
<u>Office of the Under Secretary /</u>				
Office of Technology Policy	52	\$8,216	+0	\$500

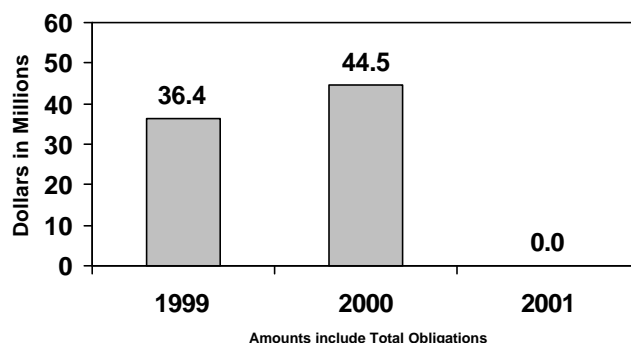
An increase (+0 pos.; +\$500) is requested to strengthen and expand TA policy, evaluation, and outreach capabilities to meet Congressional mandates and Presidential initiatives in four major areas: commercialization of national space technologies; development of clean and efficient new motor vehicles; critical examination of the Nation's system for transferring technology developed by Federal laboratories to the private sector; and increasing the impact of the National Medal of Technology Program. This investment in TA infrastructure supports Commerce's strategic goal to stimulate innovation for American competitiveness. The initiative will strengthen these four programs in the Office of the Under Secretary.



# National Technical Information Service

The National Technical Information Service (NTIS), a component of the Technology Administration, has operated a revolving fund for the payment of all expenses incurred in collecting and preserving scientific, technical, engineering and other business-related information from Federal and international sources and disseminating it to the American business and industrial research community. The Department of Commerce has proposed legislation to cease operations of NTIS by the end of FY 2000. This legislation would maintain the NTIS collection of scientific and technical information by transferring the collection to the Library of Congress, effective October 1, 2000. In 2000, the Administration is requesting a supplemental transfer from the National Institute of Standards and Technology (NIST) of \$4.5 million for closure costs.

**NTIS Funding**



## SUMMARY OF APPROPRIATIONS

(Dollars in Thousands)

### Funding Levels

Appropriation	1999	2000	2001 Estimate	Increase (Decrease)
NTIS Revolving Fund	\$0	\$0	\$0	\$0
<b>Total Appropriation</b>	0	0	0	0
Transfer of Y2K Funds (105-277)	1,193	0	0	0
<b>Total Budget Authority</b>	1,193	0	0	0
Proposed Supplemental Transfer:				
NTIS Closure	0	4,500	0	(4,500)
<b>Total Budget Authority with Supp.</b>	1,193	4,500	0	(4,500)

### PERMANENT POSITIONS

NTIS Revolving Fund (Direct)	0	0	0	0
Reimbursable	333	280	0	(280)
<b>Total Positions</b>	333	280	0	(280)

# HIGHLIGHTS OF BUDGET CHANGES

## APPROPRIATION: Revolving Fund

### Summary of Requirements

	Detailed		Summary	
	<u>Perm Pos</u>	<u>Amount</u>	<u>Perm Pos</u>	<u>Amount</u>
<b>2000 Enacted</b>			0	\$0
<b>Adjustments to Base</b>				
<b>TOTAL, ADJUSTMENTS TO BASE</b>			0	0
<b>2001 Base</b>			0	0
Program Changes			0	0
<b>2001 APPROPRIATION</b>			0	0

### Comparison by Activity

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	<u>Perm Pos</u>	<u>Amount</u>	<u>Perm Pos</u>	<u>Amount</u>	<u>Perm Pos</u>	<u>Amount</u>	<u>Perm Pos</u>	<u>Amount</u>
<b>DIRECT OBLIGATIONS</b>								
National Technical Information Service	0	\$0	0	\$0	0	\$0	0	\$0
<b>TOTAL DIRECT OBLIGATIONS</b>	0	\$0	0	\$0	0	\$0	0	\$0
REIMBURSABLE OBLIGATIONS	280	\$40,109	0	\$0	0	\$0	0	\$0
<b>TOTAL OBLIGATIONS</b>	280	40,109	0	0	0	0	0	0
<b>FINANCING</b>								
Unobligated balance, start of year		(5,109)						
Offsetting collections from:								
Federal funds		(15,750)						
Non-Federal sources		(19,250)						
Subtotal, financing	0	(40,109)						
<b>TOTAL BUDGET AUTHORITY</b>	280	0						
<b>Proposed Supplemental Transfer:</b>								
NTIS Closure	0	4,500						
<b>TOTAL B.A. with Supplemental</b>	280	4,500						

### Highlights of Program Changes

The Department of Commerce has proposed legislation to cease operations of NTIS by the end of FY 2000. This legislation would maintain the NTIS collection of scientific and technical information by transferring the collection to the Library of Congress, effective October 1, 2000. In 2000, the Administration is requesting a supplemental transfer from the National Institute of Standards and Technology of \$4.5 million for closure costs.

# National Institute of Standards and Technology

The National Institute of Standards and Technology (NIST) is responsible for the measurement foundation that supports U.S. industry, government and scientific establishments. NIST promotes U.S. economic growth by working with industry to develop and apply technology, measurements, and standards. NIST carries out this mission through four major programs.

The **Measurement and Standards Laboratory (MSL) research program** focuses on providing the measurements, standards, verified data, and test methods required for new technologies and competing in the global economy. The world-class scientific and technical staff works closely with private industry, academic researchers, and other government agencies.

The **Advanced Technology Program (ATP)** makes cost-shared awards to accelerate commercialization of high-risk, broadly enabling technologies with significant commercial potential.

The **Manufacturing Extension Partnership (MEP) Program** assists small and medium-sized companies in assimilating new technologies and manufacturing practices through government-industry partnerships and extension services.

The **Baldrige National Quality Program (BNQP)** is a highly visible quality management program, focused on instilling the principles of continuous quality improvement in American businesses.

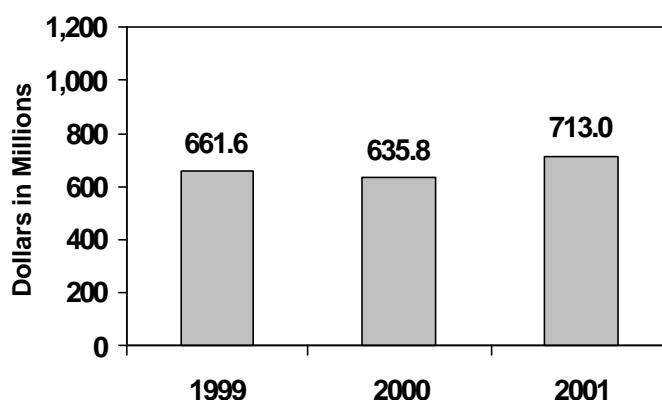
In addition, NIST has initiated a long-term program to upgrade its physical plant. Significant and sustained investment to upgrade existing facilities, which are 35 to 45 years old, is required to support NIST research in the 21<sup>st</sup> century. The FY 2001 budget includes funding to design a new primary electrical service at the NIST Boulder, Colorado facility and to address the backlog of safety, capacity, maintenance and major repair projects at both the Gaithersburg, Maryland, and Boulder, Colorado facilities.

## NIST Performance Measures

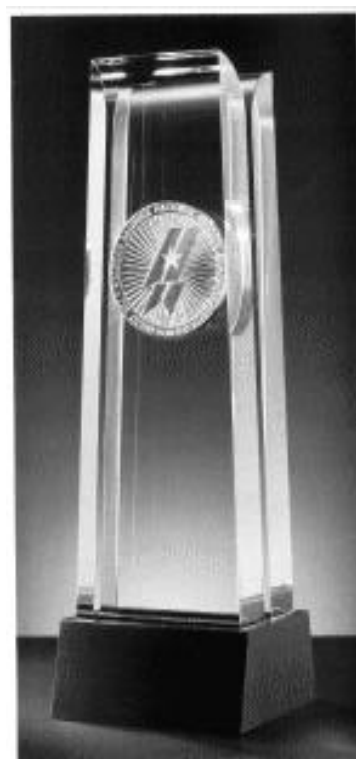
NIST supports Commerce's strategic goals to expand economic growth and to stimulate innovation for American competitiveness.

Performance measures will continue to evolve over time as NIST and its programs, the Department of Commerce, and the Federal government as a whole continue to refine and enhance their capacities to develop performance measures, use perfor-

NIST Funding



mance measurement as a key management tool, and implement the GPRA. A more detailed presentation of goals, objectives, and performance measures is found in the Department's Annual Performance Plan and NIST's budget justification.



# SUMMARY OF APPROPRIATIONS

(Dollars in Thousands)

## Funding Levels

	1999	2000	2001 Estimate	Increase (Decrease)
Appropriation				
Scientific and Technical Research and Services	\$279,732	\$282,138	\$337,508	\$55,370
Industrial Technology Services	304,179	246,780	339,604	92,824
Construction of Research Facilities	56,714	106,880	35,879	(71,001)
<b>Total Appropriation</b>	640,625	635,798	712,991	77,193
Transfer of Y2K Funds (P.L. 105-277)	21,000			
Working Capital Fund	[398]	0	[7,800]	[7,800]
<b>TOTAL BUDGET AUTHORITY</b>	661,625	635,798	712,991	77,193
Proposed Supplementals:				
CIP Expert Review Team (STRS)		1,000		(1,000)
IIIP (ITS)		4,000		(4,000)
Transfer to NTIS		(4,500)		4,500
<b>Total Budget Authority with Supp.</b>	661,625	636,298	712,991	76,693

## PERMANENT POSITIONS

Scientific and Technical Research and Services	2,047	1,987	2,080	93
Industrial Technology Services	377	379	423	44
Construction of Research Facilities	32	32	32	0
Working Capital Fund	706	706	695	(11)
<b>Total Positions</b>	3,162	3,104	3,230	126



# HIGHLIGHTS OF BUDGET CHANGES

## APPROPRIATION: Scientific and Technical Research and Services

### Summary of Requirements

	Detailed Perm Pos	Amount	Summary Perm Pos	Amount
<b>2000 Enacted</b>			1,987	\$282,138
<b>Adjustments to Base</b>				
<b>Adjustments</b>				
Restoration of FY 2000 Deobligation Offset				1,000
<b>Transfers</b>				
Transfer of FCS payments to ITA			(2)	(750)
Transfer of FARS financial resources to NIST				766
Working Capital Fund transfer to GA for security				(482)
<b>Other Changes</b>				
2000 Pay raise		\$1,945		
2001 Pay raise		4,608		
Payment to the Working Capital Fund		48		
Within-grade step increases		1,514		
One less compensable day		(613)		
Civil Service Retirement System(CSRS)		(458)		
Federal Employees' Retirement System(FERS)		576		
Thrift Savings Plan		108		
Federal Insurance Contributions Act (FICA) -OASDI		370		
Health insurance		667		
Employees' Compensation Fund		(54)		
Travel				
Per diem		131		
Common carrier		105		
Rental payments to GSA		1		
Printing and reproduction		26		
NARA storage and maintenance		(1)		
Other services:				
Working Capital Fund		68		
Executive development and leadership training		220		
Financial management system development		4,422		
Reactor License Renewal	4	600		
NRC license fees		1,076		
General pricing level adjustment:				
Transportation of things		12		
Communications, utilities, & miscellaneous charges		147		
Supplies and materials		248		
Equipment		332		
Rental payments to others		40		
Other services		558		
Subtotal, other cost changes			4	16,696
<b>TOTAL, ADJUSTMENTS TO BASE</b>			2	17,230
<b>2001 Base</b>			1,989	299,368
Program Changes			91	39,140
<b>TOTAL REQUIREMENTS</b>			2,080	338,508
Recoveries from Prior Year Obligations				(1,000)
<b>2001 APPROPRIATION</b>			2,080	337,508

## Comparison by Activity

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount
<b>DIRECT OBLIGATIONS</b>								
Electronics & electrical engineering	272	\$39,051	272	\$40,127	272	\$40,127	0	\$0
Manufacturing engineering	140	19,299	140	19,821	156	23,571	16	3,750
Chemical science & technology	225	32,481	225	33,360	225	33,360	0	0
Physics	164	28,778	164	29,556	180	37,756	16	8,200
Materials science & engineering	348	53,129	352	54,658	365	57,658	13	3,000
Building & fire research	100	14,887	100	15,292	100	13,932	0	(1,360)
Computer science & applied math.	330	45,267	330	45,551	352	55,751	22	10,200
Technology assistance	118	17,708	116	17,349	116	17,349	0	0
National quality program	38	5,913	38	5,205	38	5,205	0	0
Research support activities	252	33,563	252	38,449	276	47,599	24	9,150
<b>TOTAL DIRECT OBLIGATIONS</b>	<b>1,987</b>	<b>290,076</b>	<b>1,989</b>	<b>299,368</b>	<b>2,080</b>	<b>332,308</b>	<b>91</b>	<b>32,940</b>
<b>FINANCING</b>								
Unobligated balance, start of year		(6,938)				0		
Recovery of prior year obligations		(1,000)				(1,000)		
Subtotal, financing	0	(7,938)	0	0	0	(1,000)	0	0
<b>TOTAL BUDGET AUTHORITY</b>	<b>1,987</b>	<b>282,138</b>	<b>1,989</b>	<b>299,368</b>	<b>2,080</b>	<b>331,308</b>	<b>91</b>	<b>32,940</b>
Transfers		0		0		6,200		6,200
<b>TOTAL APPROPRIATION</b>	<b>1,987</b>	<b>282,138</b>	<b>1,989</b>	<b>299,368</b>	<b>2,080</b>	<b>337,508</b>	<b>91</b>	<b>39,140</b>
<b>Proposed Supplemental:</b>								
CIP Expert Review Team	0	1,000	0	0	0	0	0	0
<b>TOTAL Approp. with Supplement</b>	<b>1,987</b>	<b>283,138</b>	<b>1,989</b>	<b>299,368</b>	<b>2,080</b>	<b>337,508</b>	<b>91</b>	<b>39,140</b>

## Highlights of Program Changes

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>Permanent Positions</u>	<u>Amount</u>	<u>Permanent Positions</u>	<u>Amount</u>
<u>Manufacturing Engineering</u>	140	\$19,821	+16	+\$4,000

An increase (+16 pos.; +\$4,000) is included to develop standards to improve U.S. manufacturing productivity by ensuring that electronic data can be exchanged accurately and efficiently for business-to-business electronic commerce. Of this amount, a transfer of \$250 will be made to the NIST Working Capital Fund.



<u>Physics</u>	164	\$29,556	+16	+\$10,000
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An increase (+16 pos.; +\$10,000) is included to provide measurements, standards, and test methods for private sector development of advanced nanotechnologies, including applications in most major industrial sectors, such as health care, semiconductors, communications, defense, biotechnology, and magnetic data storage. Of this amount, a transfer of \$1,800 will be made to the NIST Working Capital Fund.

<u>Materials Science and Engineering</u>	352	\$54,658	+13	+\$4,500
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An increase (+13 pos.; +\$4,500) is included to build a foundation of measurements and standards to support new combinatorial research and development methods for use by U.S. industry, universities, and government agencies, and for use in NIST metrology research. These methods are dramatically faster than traditional sequential methods of research and will speed the discovery and development of new products and processes. Of this amount, a transfer of \$1,500 will be made to the NIST Working Capital Fund.

<u>Building and Fire Research</u>	100	\$15,292	+0	-\$1,360
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A decrease (+0 pos.; -\$1,360) is included to reflect conclusion of a disaster research program on the effects of windstorms on protective structures and other technologies.

<u>Computer Science and Applied Mathematics</u>	330	\$45,551	+22	+\$11,000
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An increase (+11 pos.; +\$5,000) is included to establish a team of computer security experts to help Federal agencies protect their information systems in accordance with Presidential Decision Directive (PDD) #63 on critical infrastructure protection.

An increase (+8 pos.; +\$5,000) is included to develop new tools to better protect information technology elements of the Nation's critical infrastructures through research and development of new measurements, standards, test methods and guidelines that identify and remedy vulnerabilities to natural and intentional disruptions.

An increase (+3 pos.; +\$1,000) is included to provide a foundation of measurements and standards to support the rapid advance of information technology in the U.S. by supporting advanced wireless communications technologies.

Of this amount, a transfer of \$800 will be made to the NIST Working Capital Fund.

<u>Research Support Activities</u>	252	\$38,449	+24	+\$11,000
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An increase (+22 pos.; +\$3,000) is included to expand the NIST/National Research Council Postdoctoral Research Fellowship Program to enhance the transfer of advanced technology between universities and NIST; expand the pool of highly skilled scientists and engineers for future NIST positions; and provide temporary staff to carry out more flexibly NIST measurements and standards research in response to changing industry needs.

An increase (+2 pos.; +\$8,000) is included to participate in a DoC-wide effort to develop a high impact, high visibility program for minorities in the sciences and to provide increased contributions of Minority-Serving Institutions to the U.S. scientific and technology base.

Of this amount, a transfer of \$1,850 will be made to the NIST Working Capital Fund.

# APPROPRIATION: Industrial Technology Services

## Summary of Requirements

	Detailed		Summary	
	Perm Pos	Amount	Perm Pos	Amount
<b>2000 Enacted</b>			379	\$246,780
<b>Adjustments to Base:</b>				
<b>Adjustments</b>				
Restoration of FY 2000 deobligation offset			0	3,800
Unobligated balance (from FY 2000)			0	19,333
<b>Transfer</b>				
Working Capital Fund transfer to GA for security				(136)
<b>Other Changes</b>				
2000 Pay raise		\$352		
2001 Pay raise		849		
Payment to the Working Capital Fund		13		
Within-grade step increases		292		
One less compensable day		(118)		
Civil Service Retirement System(CSRS)		(89)		
Federal Employees' Retirement System(FERS)		111		
Thrift Savings Plan		21		
Federal Insurance Contributions Act (FICA) -OASDI		71		
Health insurance		125		
Employees' Compensation Fund		(16)		
Travel				
Per diem		23		
Common carrier		24		
Printing and reproduction		6		
Other services:				
Working Capital Fund		19		
Executive development and leadership training		35		
General pricing level adjustment:				
Transportation of things		1		
Communications, utilities, & miscellaneous charges		41		
Supplies and materials		25		
Equipment		40		
Rental payments to others		12		
Other services		302		
Subtotal, other cost changes			0	2,139
<b>TOTAL, ADJUSTMENTS TO BASE</b>			0	25,136
<b>2001 Base</b>			379	271,916
Program Changes			44	90,821
<b>TOTAL REQUIREMENTS</b>			423	362,737
Recoveries from Prior Year Obligations				(3,800)
Unobligated balance (from FY 2000)				(19,333)
<b>2001 APPROPRIATION</b>			423	339,604

## Comparison by Activity

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount
<b>DIRECT OBLIGATIONS</b>								
Advanced Technology Program	270	\$211,000	270	\$166,779	270	\$198,600	0	\$31,821
Manufacturing Extension Partnership	109	105,081	109	105,137	111	114,137	2	9,000
National Institute for Information Infrastructure Protection (NIIP)					42	48,400	42	48,400
<b>TOTAL DIRECT OBLIGATIONS</b>	379	316,081	379	271,916	423	361,137	44	89,221
<b>FINANCING</b>								
Unobligated balance, start of year		(68,634)		(19,333)		(19,333)		0
Recovery of prior obligations		(20,000)		(3,800)		(3,800)		0
Unobligated balance, end of year		19,333						
Subtotal, financing		(69,301)		(23,133)		(23,133)		0
<b>TOTAL BUDGET AUTHORITY</b>	379	246,780	379	248,783	423	338,004	44	89,221
Transfer to Working Capital Fund						1,600		1,600
<b>TOTAL APPROPRIATION</b>	379	246,780	379	248,783	423	339,604	44	90,821
<b>Proposed Supplemental:</b>								
<b>Institute for Information Infrastructure Protection (IIIP)</b>	0	4,000						
<b>Transfer to NTIS</b>	0	(4,500)						
<b>TOTAL APPROP. with Supplement</b>	379	246,280	379	248,783	423	339,604	44	90,821

## Highlights of Program Changes

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>Permanent Positions</u>	<u>Amount</u>	<u>Permanent Positions</u>	<u>Amount</u>
<u>Advanced Technology Program</u>	270	\$166,779	+0	+\$31,821

An increase (+0 pos.; +\$31,821) is included to fund the continuation of existing ATP projects and to fund an additional \$65 million in new awards in FY 2001. This increase addresses a principal goal of the Department of Commerce and the Administration: to stimulate U.S. economic growth by developing high-risk and enabling technologies through industry-driven cost-shared partnerships.

<u>Manufacturing Extension Partnership</u>	109	105,137	+2	+9,000
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An increase (+4 pos.; +\$15,000) is included to stimulate manufacturers' and small businesses' involvement in the digital economy and to support a secure and open environment for electronic commerce.

A decrease (-2 pos.; -\$6,000) is included to reflect a realignment of activities to support E-commerce.

<u>Institute for Information Infrastructure Protection</u>	0	0	+42	+50,000
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An increase (+42 pos.; +\$50,000) is included to establish and operate an Institute to support research and development for protection of the Nation's critical information infrastructures by collaborating with industrial sectors and providing research grants. Of this amount, a transfer of \$1,600 will be made to the NIST Working Capital Fund.

# APPROPRIATION: Construction of Research Facilities

## Summary of Requirements

	Detailed		Summary	
	Perm Pos	Amount	Perm Pos	Amount
<b>2000 Enacted</b>			32	\$106,880
<b>Adjustments to Base</b>				
<b>Adjustments</b>				
Non-recurring items				
Advanced Measurement Laboratory		(\$ 69,916)		
External projects		(10,822)		
Safety, capacity, maintenance and major repairs		5,000		
Subtotal, adjustments			0	(75,738)
<b>Other Changes</b>				
2000 Pay raise		21		
2001 Pay raise		64		
Within-grade step increases		22		
One less compensable day		(8)		
Civil Service Retirement System(CSRS)		(7)		
Federal Employees' Retirement System(FERS)		8		
Thrift Savings Plan		2		
Federal Insurance Contributions Act (FICA) -OASDI		5		
Health insurance		5		
General pricing level adjustment:				
Communications, utilities, & miscellaneous charges		1		
Contracts / Other services		111		
Supplies and materials		27		
Equipment		4		
Subtotal, other cost changes			0	255
<b>TOTAL, ADJUSTMENTS TO BASE</b>			0	(75,483)
<b>2001 Base</b>			32	31,397
Program Changes			0	4,482
<b>2001 APPROPRIATION</b>			32	35,879

## Comparison by Activity

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount
<b>DIRECT OBLIGATIONS</b>								
Construction & Major Renovations	32	\$226,386	32	\$31,397	32	\$35,879	0	\$4,482
<b>TOTAL DIRECT OBLIGATIONS</b>	32	226,386	32	31,397	32	35,879	0	4,482
<b>FINANCING</b>								
Unobligated balance, start of year		(119,506)						
Unobligated balance, end of year								
Subtotal, financing	0	(119,506)			0	0		
<b>TOTAL BUDGET AUTHORITY</b>	32	106,880			32	35,879		
Transfer to Working Capital Fund								
<b>TOTAL, APPROPRIATION</b>	32	106,880			32	35,879		

## Highlights of Program Changes

	<u>Base</u>		<u>Increase / Decrease</u>	
	<u>Permanent Positions</u>	<u>Amount</u>	<u>Permanent Positions</u>	<u>Amount</u>
<u>Construction and Major Renovations</u>	12	\$15,000	+0	+\$500
An increase (+0 pos.; +\$500) is included to design a new primary electrical service at the NIST Boulder, Colorado facility.				
<u>Modifications and Improvements</u>	20	\$16,397	+0	+\$3,982

An increase (+0 pos.; +\$3,982) is included to continue addressing the backlog of safety, capacity, maintenance, and major repair projects at both the Gaithersburg, Maryland and Boulder, Colorado sites in fiscal year 2001.

## APPROPRIATION: Working Capital Fund

### *Comparison by Activity*

	2000 Currently Avail		2001 Base		2001 Estimate		Increase / Decrease	
	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount	Perm Pos	Amount
<b>DIRECT OBLIGATIONS</b>								
Direct Obligations	0	\$0	0	\$0	0	\$7,800	0	\$7,800
Reimbursable Obligations	706	107,906	706	107,866	695	107,866	(11)	0
<b>TOTAL OBLIGATIONS</b>	706	107,906	706	107,866	695	115,666	(11)	7,800
<b>FINANCING</b>								
Unobligated balance, start of year		(41,005)				(41,005)		
Unobligated balance, end of year		41,005				41,005		
Offsetting collections from:								
Federal funds		(83,822)				(83,791)		
Non-Federal sources		(24,084)				(24,075)		
Subtotal, financing	0	(107,906)			0	(107,866)		
<b>TOTAL BUDGET AUTHORITY</b>	706	0			695	7,800		
<b>TRANSFERS</b>								
From STRS		0				(6,200)		
From ITS		0				(1,600)		
<b>TOTAL, APPROPRIATION</b>	706	0			695	0		